

## **ER-3: Reduce Voice Communication**

### **Benefit, Performance and Metrics**

Reduced voice communications workload and distributed communications responsibility combine to provide the following benefits. Note that benefits increase as user equipage increases:

- Enhanced safety reflected by decreased operational errors and increased communications accuracy.
- Increased flight efficiency reflected by less time and fewer miles flown in sector (demonstrated decrease in controller experiment using Atlanta's TIROE arrival sector with a 90% equipage level).
- Increased airspace capacity reflected by increased sector traffic throughput (miles in trail restrictions relaxed in an experimental sector based on voice communication reduction) and reduced delay (see chart below).